Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/02/2015 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124329	-1	4.54	124050	4.61
Blue	F	SSC	125000	123459	-2	2.84	124257	2.57
Blue	E	FITC	17998	17324	-4	2.66	977	9.67
Blue	D	PE	23234	22587	-3	2.21	1018	8.76
Blue	B	PerCP-Cy5-5	69571	68162	-3	2.95	1798	14.41
Blue	A	PE-Cy7	77815	76683	-2	4.12	991	27.36
Red	C	APC	65936	65068	-2	2.57	3676	8.18
Red	A	APC-Cy7	100669	99995	-1	2.60	1967	8.22
Violet	B	V450	10405	9894	-5	3.61	614	8.63
Violet	A	V500	47250	45341	-5	3.25	2559	6.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19030	25.36	625	46	N/A	N/A	Pass
Blue	F	SSC	61705	1.64	531	42	N/A	N/A	Pass
Blue	E	FITC	106	36.24	543	28	0.0211	53	Pass
Blue	D	PE	210	26.65	536	29	0.1531	163	Pass
Blue	B	PerCP-Cy5-5	214	43.17	624	34	0.0093	0	Pass
Blue	A	PE-Cy7	70	113.67	684	38	0.0124	15	Pass
Red	C	APC	342	27.86	592	14	0.0210	100	Pass
Red	A	APC-Cy7	123	39.36	573	14	0.0045	760	Pass
Violet	B	V450	65	45.74	474	24	0.0411	2077	Pass
Violet	A	V500	167	22.95	514	26	0.0122	100	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.35	-31.12	0.70
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	16.64	13.09 - 19.63	N/A	N/A	31.63	31.84	1.09

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 11639

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments